

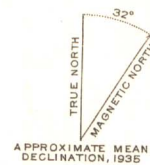
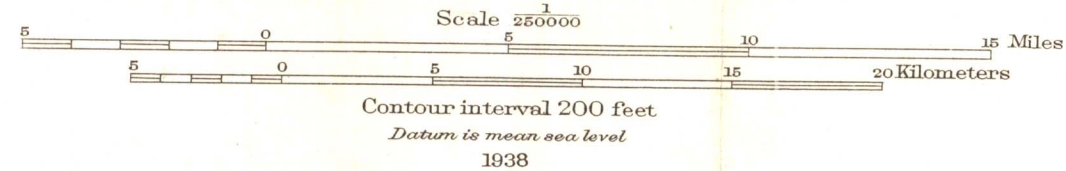
GEOLOGIC RECONNAISSANCE MAP OF THE SLANA-TOK DISTRICT, ALASKA

By Fred H. Moffitt

PRINTED BY THE GEOLOGICAL SURVEY

Geology from original surveys, 1929 to 1936, except the area at the headwaters of the Chistochina River, which is in part from earlier maps of the Geological Survey

Topography by Alaskan Branch
Gerald Fitzgerald, C. F. Fuechsel, T. G. Gerdine,
J. W. Bagley, and D. C. Witherspoon, Topographic Engineers
Control by Geological Survey
Areas not surveyed in detail indicated by broken lines
Surveyed in 1902, 1907, 1932, 1934, 1935

APPROXIMATE MEAN
DECLINATION, 1935EXPLANATION
SEDIMENTARY ROCKS

Qsg

Sand, gravel, and silt
(Deposited by streams or lakes, and moraine deposits)

mss

Slate, argillite, sandstone,
conglomerate, and limestone

Cl

Limestone

Cst

Sandstone, slate, and limestone,
interbedded with tuff and lava
flows and intruded by igneous
rocks, Mankomen formation

Ds

Slate, quartzite, and conglom-
erate, locally schistoseUNDIFFERENTIATED
ROCKS

upl

Limestone

ups

Undifferentiated Paleozoic rocks
(Chiefly Permian and Middle Devonian slate,
argillite, and conglomerate including volcanic
material and intrusives. Somewhat metamor-
phosed but only locally schistose; may include
Carboniferous beds older than the Permian)

ul

Undifferentiated early Paleozoic
or pre-Paleozoic limestone

us

Undifferentiated early Paleozoic
or pre-Paleozoic rocks
(Chiefly schist derived in large part from sedi-
mentary beds that were dominantly quartzose,
although locally argillaceous, and in lesser
amount from igneous rocks)

IGNEOUS ROCKS

d

Light-colored coarse-grained diorite,
quartz diorite, and related intrusives,
markedly porphyritic in places

ul

Undifferentiated igneous rocks of
various ages, late Paleozoic and
Mesozoic
(Dark-gray diorite, basic intrusives, lavas
and tuffs)

QUATERNARY

MESOZOIC

CARBONIFEROUS

PALEOZOIC

DEVONIAN

EARLY PALEOZOIC
TO PRE-PALEOZOICTERTIARY (T) OR
CRETACEOUS (C)MESOZOIC
AND PALEOZOIC